

Date: Wed, 19 May 93 12:10:25 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #606
To: Info-Hams

Info-Hams Digest Wed, 19 May 93 Volume 93 : Issue 606

Today's Topics:

2 Meters and Airlines (2 msgs)
Daily Solar Geophysical Data Broadcast for 18 May
Don't get ripped off by a G5RV (3 msgs)
Don't let get ripped off by a G5RV
G5RV (My opinion)
HTX-202 going on sale
MFJ HF Vertical Antenna
MININEC
Mobile antenna mount question
Mod Server
QSL Managers. What are they? Who are they?
Radio Shack 70cm HT?
RG 174
Signal report etiquette (2 msgs)
YAHOO!! (Processing time update)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 May 93 18:49:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: 2 Meters and Airlines
To: info-hams@ucsd.edu

Hi-

I am getting ready to take a rather long trip by air and I was wondering if anybody knew what the regulations were for operating a 2 meter rig aboard an

commercial airplane.

I have heard 2 conflicting reports...First, I have heard it down right il
legal to do so. The other was it's okay if the pilot says it alright...Does an
ybody know the right awnser?? I would appreciate it....

Thanx....Gary KE9MI

Internet: ST1860@SIUCVMB.SIU.EDU

BITNET: ST1860@siucvmb.bitnet

Date: Wed, 19 May 1993 18:33:57 GMT

From: usc!howland.reston.ans.net!agate!news.ucdavis.edu!othello.ucdavis.edu!

ez006683@network.UCSD.EDU

Subject: 2 Meters and Airlines

To: info-hams@ucsd.edu

ST1860@SIUCVMB.SIU.EDU (Gary R. Smith KE9MI) writes:

: Hi-

: I am getting ready to take a rather long trip by air and I was wondering i
: f anybody knew what the regulations were for operating a 2 meter rig aboard an
: commercial airplane.

:

: I have heard 2 conflicting reports...First, I have heard it down right il
: legal to do so. The other was it's okay if the pilot says it alright...Does an
: ybody know the right awnser?? I would appreciate it....

:

:

Thanx....Gary KE9MI

: Internet: ST1860@SIUCVMB.SIU.EDU

: BITNET: ST1860@siucvmb.bitnet

I believe teh regs. were that it was the pilots decision. I am fairly
certain that all airlines have a policy against the use of any receivers
on board. In fact I remember hearing about attempts to make all receivers
and laptop computers illegal to operate on board. I can't give a cite
'cause I heard it on the radio (BCB). All that said I flew back to Mi.
for my mom's wedding last month and I did listen on my '470 but heard very
little. Didn't have the TH78A then.

Good luck,

Dan

--

* Daniel D. Todd Packet: KC6UUD@WA6RDH.#nocal.ca.usa *

* Internet: DDTODD@ucdavis.edu *

* Snail Mail: 1750 Hanover #102 *

* Davis CA 95616 *

* I do not speak for the University of California.... *
* and it sure as hell doesn't speak for me!! *

Date: 19 May 93 16:14:42 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 18 May
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 138, 05/18/93
10.7 FLUX=091.3 90-AVG=124 SSN=039 BKI=0112 2122 BAI=004
BGND-XRAY=B1.3 FLU1=1.3E+06 FLU10=1.4E+04 PKI=2212 2233 PAI=008
BOU-DEV=004,006,009,012,014,008,013,018 DEV-AVG=010 NT SWF=00:000
XRAY-MAX= B4.0 @ 0352UT XRAY-MIN= B1.0 @ 2359UT XRAY-AVG= B1.6
NEUTN-MAX= +003% @ 1015UT NEUTN-MIN= -001% @ 1335UT NEUTN-AVG= +0.5%
PCA-MAX= +0.0DB @ 1335UT PCA-MIN= -0.5DB @ 1050UT PCA-AVG= -0.0DB
BOUTF-MAX=55396NT @ 1222UT BOUTF-MIN=55371NT @ 1906UT BOUTF-AVG=55385NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+000,+000,+000
GOES6-MAX=P:+137NT@ 1628UT GOES6-MIN=N:-077NT@ 2240UT G6-AVG=+105,-015,-049
FLUXFCST=STD:095,100,100;SESC:095,100,100 BAI/PAI-FCST=015,010,010/015,010,010
KFCST=2214 4112 2213 3112 27DAY-AP=027,017 27DAY-KP=4454 3433 4332 3343
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 17 MAY 93 was 69.0.
The Full Kp Indices for 17 MAY 93 are: 3+ 3+ 2- 2+ 2+ 2+ 3+ 4-

Date: Wed, 19 May 1993 16:46:53 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!
squam.banyan.com!banyan.com!dts@network.UCSD.EDU
Subject: Don't get ripped off by a G5RV
To: info-hams@ucsd.edu

I sure wish Kurt Sterba had internet access... All that reflected RF getting
eaten by the coax...

--

Daniel Senie Internet: dts@banyan.com
Banyan Systems, Inc. Compuserve: 74176,1347
508-898-1188 Packet Radio: N1JEB@WA1PHY.MA

Date: 19 May 93 15:13:26 GMT
From: auratek!epacyna@uunet.uu.net
Subject: Don't get ripped off by a G5RV
To: info-hams@ucsd.edu

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

On 20M the G5RV is about as good as a 1/2 wave dipole. Its a 3/2 wave antenna (therefore has a little bit of gain), has a feedpoint impedance (at antenna) of 100 -JXc that results in a VSWR with 50 ohm feedline of 2.8:1 (therefore a little loss when coax is used). Since the little bit of gain is offset by the little bit of loss, why bother (put up the 20M dipole).

The issue here is when the G5RV is used on any other band (where the VSWR's of a 102' center fed wire are nearer 100:1). Even low loss coax in this situation eats up to much power to make the system an efficient antenna.

Date: Wed, 19 May 1993 16:50:56 GMT
From: usc!howland.reston.ans.net!noc.near.net!squam.banyan.com!banyan.com!
dts@network.UCSD.EDU
Subject: Don't get ripped off by a G5RV
To: info-hams@ucsd.edu

In article <1113@auratek.UUCP>, epacyna@auratek.UUCP (Edward Pacyna) writes:

|>
|> >>All this theory is nice, but my G5RV has an SWR of less than 6:1 on all
|> >>the bands it was advertised for. I use a tuner, getting SWR of 1:1 where-
|> >>ever I want to use it. I consistantly get good reports on 75 and 40 meters,
|> >>(5-9 in Japan on 75m on 5-16-93) I've worked all continents on 20m, It will
|> >>tune to 1:1 on 17m, and I've worked Europe and Japan on both 15 and 10m.
|> >>If you put the thing up high enough and straight enough, it works. You may
|> >>not want to call it an antenna so you don't miff the purists, but it works
|> >>and it works just fine.
|>
|> >>I use 100-140 watts, because I don't need any more.
|>
|> >>Just MY opinion,

|> >>Galen Watts, KF0YJ
|>
|> First of all your not measuring the SWR in the right place. Look at the graph
|> in the transmission line chapter of the ARRL handbook which clearly shows the
|> effect hidden SWR due to reflections being absorbed by high loss transmission
|> lines.
|>
|> Given a situation like the G5RV presents, all your doing by matching at this
|> point is pulling more power out of your transmitter to be absorbed by the
|> transmission line.
|>
|> Welcome to the world of QRP where you can work the world with 5 watts or less,
|> even 5 band DXCC! I worked over 100 different countries with a 2 watt homebrew
|> transceiver on 20M in a couple of months (used a 68' end fed wire, L network
|> and no transmission line).
|>
|> The point is why put up and use an antenna thats not very efficient. A 102'
|> center fed antenna using open wire feeders (ladder line) would make your signal
|> 1 to 2 S units stonger in multiband use.

WOW!!! 6 to 12 dB better! Amazing! Never realized you'd get 12dB loss in your
coax. (Tongue firmly planted in cheek). An S-unit is supposed to represent 6 dB,
or 4 times increase (decrease) in signal. As other posters have pointed out, the
losses in the coax do not equal 12dB.

|>
|> 73's
|>
|> Ed W1AAZ
|>
|>
|>
|>
|>
|>
|>
|>

--

Daniel Senie Internet: dts@banyan.com
Banyan Systems, Inc. CompuServe: 74176,1347
508-898-1188 Packet Radio: N1JEB@WA1PHY.MA

Date: 19 May 93 15:20:37 GMT
From: auratek!epacyna@uunet.uu.net

Subject: Don't let get ripped off by a G5RV
To: info-hams@ucsd.edu

>The G5RV is not a multiband antenna. Using MININEC, I modeled this antenna
>and the SWR is much too high to be using coax feed. The SWR varied between
>50:1 to 100:1 on all the other bands!
>Ed W1AAZ

>Ed, Bill Orr, W6SAI, disagrees with you. Take a look at his actual SWR
>measurements in his article in CQ magazine, Nov. '92. The SWRs are not
>at all bad on half of the bands.

I don't think he disagrees. Measured at the transmitter end, the SWR will
appear low because the reflections have been gobbled up by the loss present
in coax.

Ed W1AAZ

Date: 19 May 93 15:26:17 GMT
From: auratek!epacyna@uunet.uu.net
Subject: G5RV (My opinion)
To: info-hams@ucsd.edu

>I think a G5RV is a poorly shielded air cooled dummy load with bad SWR.

>(I know nobody asked me!)

>*****
>* Alan Harp K4PB * Bell-Northern Research * CW FOREVER *
>* mail: harp@bnr.ca * Research Triangle Park, NC *
>*****

AMEN!

Date: Wed, 19 May 1993 18:04:38 GMT
From: telesoft!garym@uunet.uu.net
Subject: HTX-202 going on sale
To: info-hams@ucsd.edu

> I believe they will be on sale for ~\$200.00 soon. It will be a short
> duration sale (a few days). If you bought the radio within the last
> couple of weeks then I believe you ought to see your RS store manager
> and ask for a price adjustment.

>

> It's a fine radio at its regular price and a great bargain at \$200.00.

It did go on sale for \$199.95 starting the 16th, the sale lasts a week. If you bought it on or after April 16th, you can take your receipt back in and get \$60 back. I went in last night and they gave me \$64 (\$60+tax) back, it's great deal at \$200, you still have a few days left to get one.

--GaryM

Date: 19 May 1993 10:28:40 -0500
From: usc!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: MFJ HF Vertical Antenna
To: info-hams@ucsd.edu

I am interested if anyone on the net has used or heard anything about the performance of MFJ's HF vertical antenna. I have restricted space at my QTH, and the small dipole I have installed presently doesn't seem to cut the mustard.

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      (o o)      +-----o00--( )--
00o-----+
| Dave Sharp, NU8H                        dsharp@james.alhrg.wpafb.af.mil |
|                                           73657.1554@compuserve.com      |
| "Eagles may soar, but weasels          |
| don't get sucked into jet engines."    |
+-----+

```

Date: Wed, 19 May 1993 19:20:39 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: MININEC
To: info-hams@ucsd.edu

dbraun@ilx049.intel.com (Doug Braun) writes:

>I ftp'ed myself a copy of MININEC3 (The antenna analysis program) for
>PCs. Is there a version of this that runs on Unix? The program
>is written in BASIC (ugh), but I don't know if it was originally in FORTRAN,
>or if someone has since translated it to FORTRAN or some other language.

As long as you have access to a Unix system, why not run NEC-2? It's the full blown FORTRAN version and has many fewer restrictions than MININEC. It is available on the net. If you can't find it, let me know and I'll

locate a copy of it.

73,
Todd
N9MWB

Date: 19 May 1993 14:35:04 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: Mobile antenna mount question
To: info-hams@ucsd.edu

There are two major non-magmount temporary mountings. One is a trunk mount. This is a little metal L that comes off the antenna base that is tightened down around the edge of a trunk lid. You can put nearly any whip on it you like. It also will work on hatch back lids and the rear doors of things like minivans. However, if you put it on a mini-van make sure that you get one that will allow the whip to swivel, otherwise it may end up pointing rearward instead of up.

The other, if your car is equipped with them, is a rain gutter mount. This thing looks like a big paper fastener. You just squeeze it and part goes into the gutter and the other goes against the side of the car.

What do you have against mag mounts?

Date: 19 May 93 14:45:30 GMT
From: ucla-se!cirrus.seas.ucla.edu!luis@locus.ucla.edu
Subject: Mod Server
To: info-hams@ucsd.edu

Hello:

I know there is an FTP server where you can get mods for many rigs. Can anyone send me the address.

If any one knows the mods for the radio shack 2 meter radio could you send them to me

Thank you

Luis
luis@seas.ucla.edu

Date: Wed, 19 May 1993 14:39:11 GMT
From: swrinde!gatech!howland.reston.ans.net!torn!nott!bnrgate!corpgate!brtph560!news@network.UCSD.EDU
Subject: QSL Managers. What are they? Who are they?
To: info-hams@ucsd.edu

Hi fellow neters,

I am a dual hobby kind'a guy. Besides being a Amateur Radio Operator I'm also a Philatelist (stamp collector in case you didn't know :-)). So... I was thinking. How could I combine the two? How about being a QSL manager for a DX'er or expeditioner (sp?)

Then I said "Wait a minute! What am I getting into here?"

So I'm asking you:

1. What are the duties of a QSL manager? How does the process work?
2. Any special skills or facilities needed?
3. What are the expenses of a QSL manager?
4. How does a HAM operator "recruit" his/her QSL manager? Are they hard to come by or is everyone lining up to be one?
5. How does one "volunteer" for such?

Thanks for the help.

Since the traffic on rec.radio.amateur.misc is pretty heavy, please email me directly. I'll summarize and post (anonymously if you like).

--
*John Hawkins --- Bell Northern Research, Research Triangle Park, NC USA *
*MaBell: (919)9918579 email:jhawkins@bnr.ca USnail:35 Davis Drive RTP,NC *

Date: Tue, 18 May 1993 22:43:43 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
Subject: Radio Shack 70cm HT?
To: info-hams@ucsd.edu

William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM writes:

>>I wonder how much longer it'll be before they put out a dual-bander and
>>a mobile. Obviously they're realizing that there's some money to be made
>>on amateur gear. Can you imagine an HF rig from Radio Shack? Kind of

>>scary really.
>>Tony
>
> scary?
>
> don't know why. it would probably be a good thing to get reasonably good
> communications grade equipment out in the public view for them to see. maybe

The problem is, alot of Radio Shacks will sell to anyone. And that's
what caused the demise of 2m in certain areas of the country.

Tony

```
-----  
Tony Pelliccio kd1nr/ae  "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*  with diarrhea -- massive, difficult to  
system@garlic.sbs.com   redirect, awe-inspiring, entertaining, and a  
-----               source of mind-boggling amounts of excrement  
                        when you least expect it." --spaf (1992)
```

Date: 19 May 1993 14:37:19 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: RG 174
To: info-hams@ucsd.edu

I've got a cute toy from Radio Shack. It's the 3db gain antenna with the
two suction cups on it with the TNC on the other end already attached.
Works pretty well.

-Ron

Date: Wed, 19 May 1993 19:21:25 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: Signal report etiquette
To: info-hams@ucsd.edu

jbs@ee.egr.duke.edu (Joe B. Simpson) writes:

>Oops. Am I breaking some sort of unwritten ham law? I just sent out my first
>8 QSL cards, and only one of them had "5x9" noted. Most of the rest were
>around 3x1. Will this insult the recipients? Guidance appreciated; I'm new
>to HF.

That's a great question. I always feel a tinge of guilt when I give out a

signal report worse than the one I receive since I have a very modest station. Reports on the satellites and VHF/UHF seem to be realistic, but on HF there seems to be a tendency to give 59 if the contact can be completed. This isn't always the case and I've heard ops give consistent 59s with a 52 interspersed but nothing in between. What's the scoop?

73,
Todd
N9MWB

Date: 19 May 1993 17:35:29 GMT
From: swrinde!gatech!darwin.sura.net!news.larc.nasa.gov!grissom.larc.nasa.gov!
kludge@network.UCSD.EDU
Subject: Signal report etiquette
To: info-hams@ucsd.edu

In article <1993May19.172131.19136@nntpd2.cxo.dec.com> little@nuts2u.enet.dec.com
(nuts2u::little) writes:

>jbs@ee.egr.duke.edu (Joe B. Simpson) writes:

>

>>Oops. Am I breaking some sort of unwritten ham law? I just sent out my first
>>8 QSL cards, and only one of them had "5x9" noted. Most of the rest were
>>around 3x1. Will this insult the recipients? Guidance appreciated; I'm new
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>signal report worse than the one I receive since I have a very modest
>station. Reports on the satellites and VHF/UHF seem to be realistic, but
>on HF there seems to be a tendency to give 59 if the contact can be
>completed. This isn't always the case and I've heard ops give consistent
>59s with a 52 interspersed but nothing in between. What's the scoop?

An actual dialogue, overheard:

A: You're five and nine, K4XXX!

B: You're five and nine also, but the call here is K4YYY.

A: Please repeat.

B: I said, the call here is K4YYY.

A: You're five and nine, K4YYY.

B: What? I can hardly hear you.

A: I said you were five and nine. Can you QR0?

B: Yes, you're five and nine too.

--scott

Date: 19 May 93 16:47:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: YAH00!! (Processing time update)
To: info-hams@ucsd.edu

As it says in the subject line, YAH00! I got my TECH ticket yesterday.

For all you boys and girls that are also waiting, I took the test at the Koolau VEC session in Kaneohe on 20 March. The license was dated 11 May (7+ weeks) and took one week to arrive in the mail. Times are dropping slightly.

73 Fred WH6ME

Date: Wed, 19 May 1993 17:54:08 GMT
From: telesoft!garym@uunet.uu.net
To: info-hams@ucsd.edu

References <nick.41zs@hotmail.COM>, <C5wDrp.I5M@news.cso.uiuc.edu>,
<randall.735852361@moose>
Subject : Re: Mods for the HTX-202

In <randall.735852361@moose> randall@informix.com (Randall Rhea) writes:
>nick@hotmail.COM (Nick Assar) writes:
>>Can someone send me mail (nick@hotmail.com) on any mods to the Realistic
>>HTX-202 2m Transceiver. Thanks.

>There are mods, but not any to increase the
>frequency coverage. ...

What sort of mods are there? And where can I find them?

--GaryM

--

Gary Morris KK6YB
San Diego, CA USA

Internet: garym@alsys.com
Phone: +1 619-457-2700 x128 (work)

Date: Wed, 19 May 1993 17:42:49 GMT
From: news.service.uci.edu!ttinews!avatar!sorgatz@network.UCSD.EDU
To: info-hams@ucsd.edu

References <199305160442.AA21270@tilde.csc.ti.com>,
<1tbn41\$hov@k2.sj.ate.slb.com>, <1tdfcr\$443@cville-srv.wam.umd.edu>
Subject : Re: Buy back 11 Meters

In article <1tdfcr\$443@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>I only have one problem with the "Death to CB" thread going on here, and
>the general distaste for CB. While much of the stuff going on within the
>11 meter band is vulgar, obscene, and distasteful, there is also:

(his four points defending CB radio, which I agree with in principle...

>

>Leave the Citizen's Band alone. We're allowed to use it too!

>

Actually Scott you and a great number of people here seem to have grossly misinterpreted what I was advocating:

1) The proposed "buy-back" was to cover from 27.4051-28.0 MHz. This range of frequencies is currently unallocated in the US. That the so-called "Free banders" are using it is of no concern. Legally, there is nothing to prevent the FCC from allocating this slice of spectrum to a legit service, and if they were to allocate it to Amateur Radio it frees them, in essence, from worrying about policing it...since as we all know the FCC seldom if ever gets involved in any actions against those that encroach on the Amateur bands!

Some people have expressed concern over the turf war that such an allocation would cause. I'd bet that MOST (not all) people would abide by the law and not use this range of frequencies if the law were to change. Others have leapt to the conclusion that hi-power digital modes in this area would eliminate most interference. I too feel that it would make an excellent proving ground for hi-power, hi-speed digital modes in the HF region.

2) I was NOT advocating the wholesale elimination of the legal 11m CB band which occupies the 26.965-27.405 MHz slice. Leave this for truckers and CBers to enjoy, by all means!

'73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+

(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

End of Info-Hams Digest V93 #606
